

Fig 1a

-2/18-

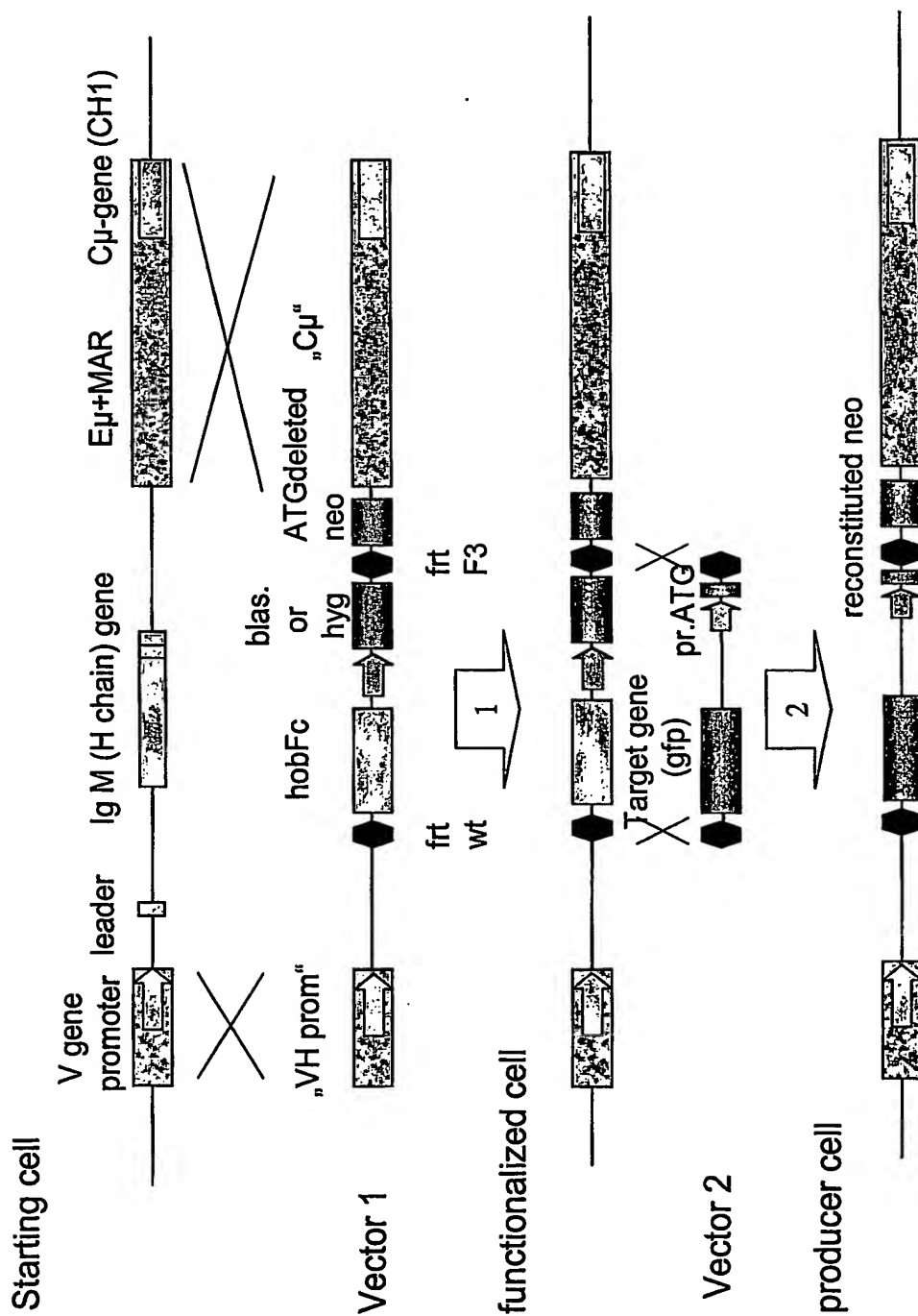


Fig 1b

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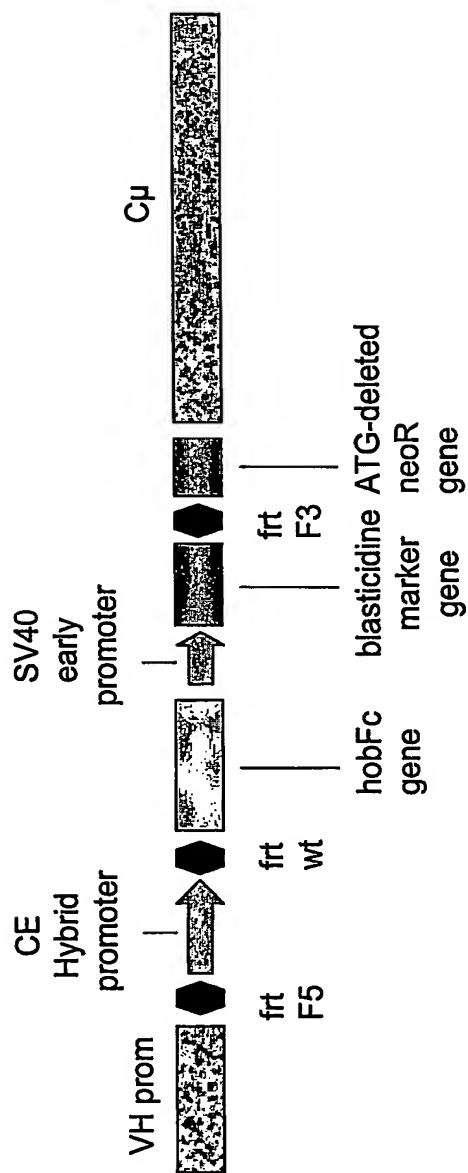


Fig 2

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Genomic region of H-CB-P1

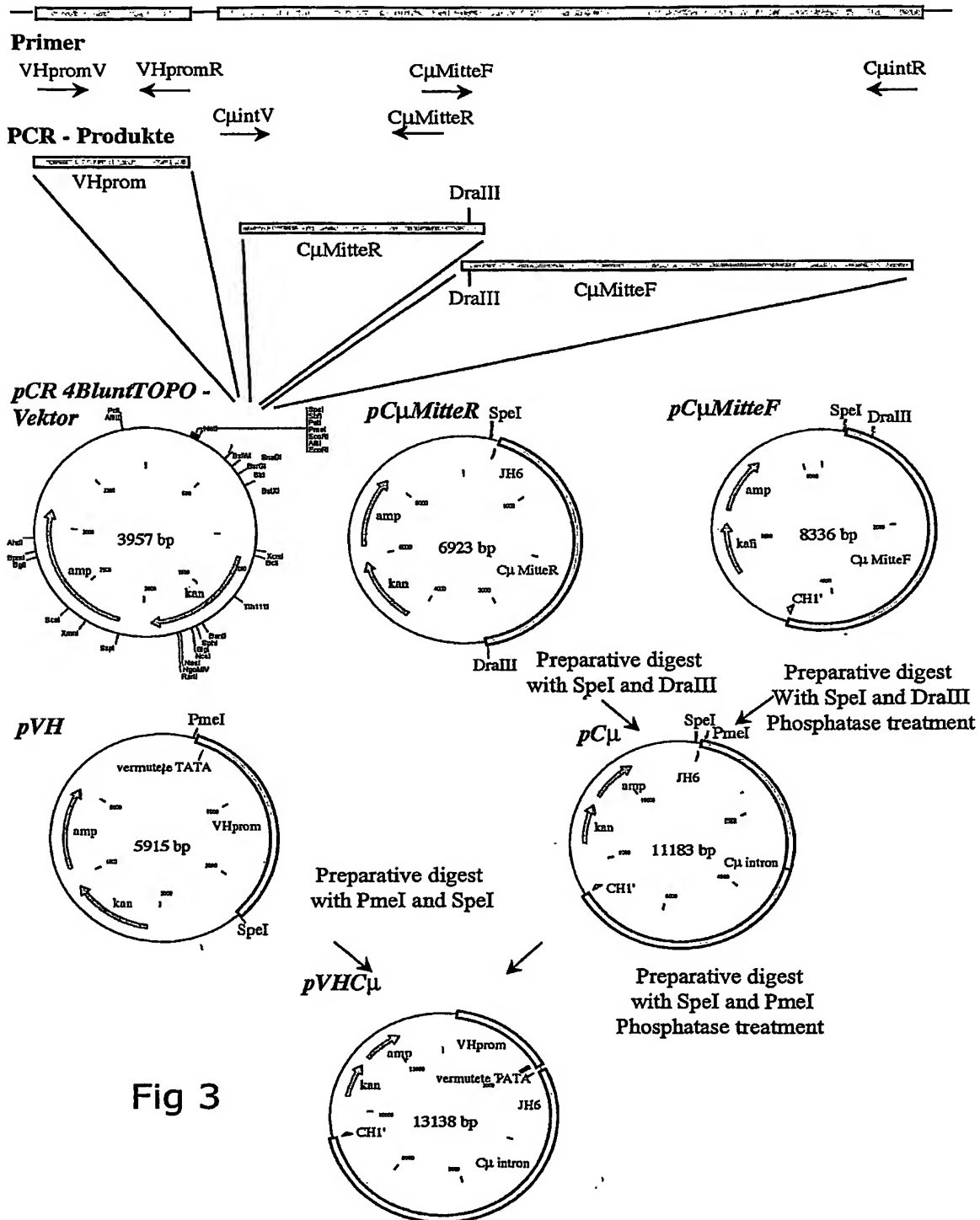
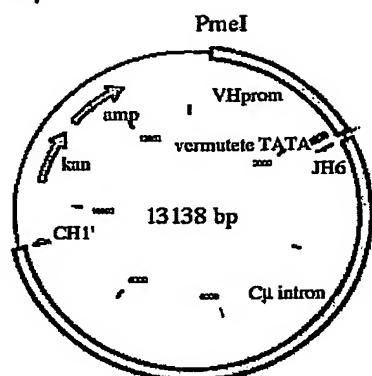


Fig 3

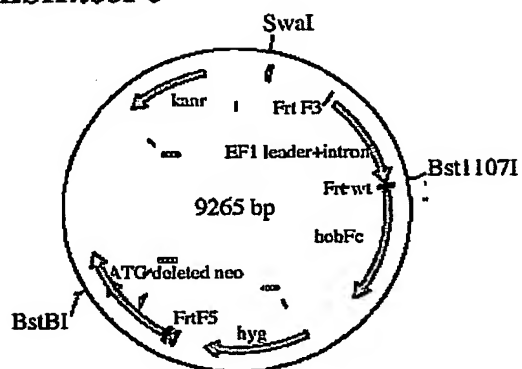
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pVHCμ

preparative digest
with PmeI
Phosphatase treatment

preparative digest
with BstBI and SmaI
phosphatase treatment
Heat inactivation
Klenow fill in

Ligation

pCESHhobFc

preparative digest
with PmeI
Phosphatase treatment

preparative digest
with BstBI and Bst1107I
phosphatase treatment
Heat inactivation
Klenow fill in

Ligation

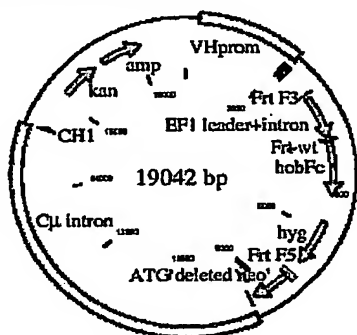
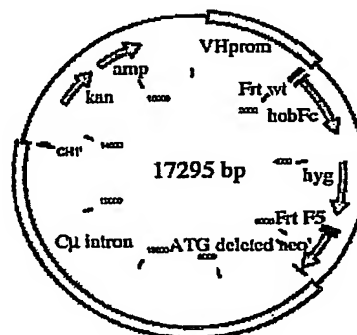
pVHCμCESHhobFc*pVHCμHhobFc*

Fig 4

-6/18-

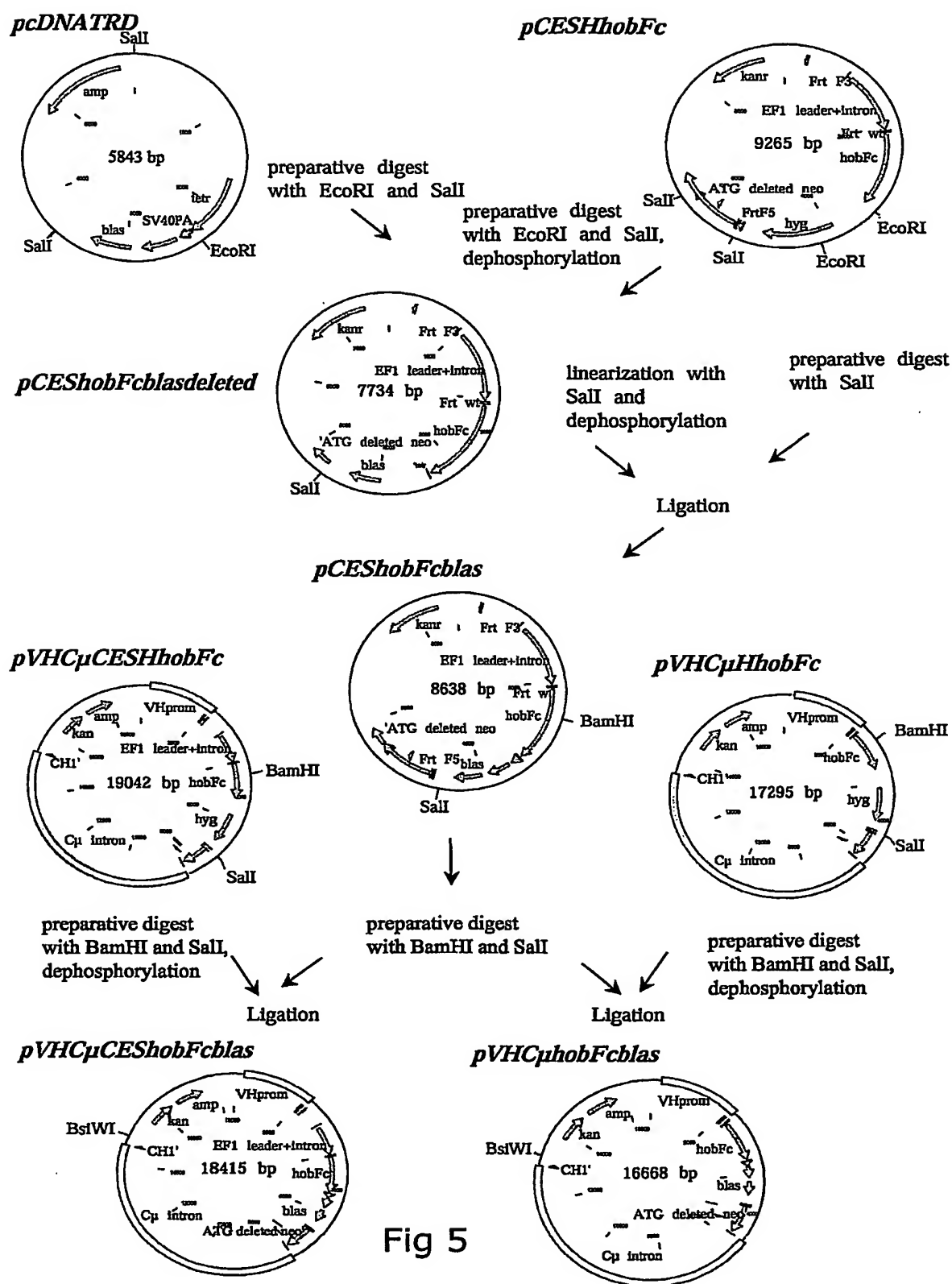


Fig 5

-7/18-

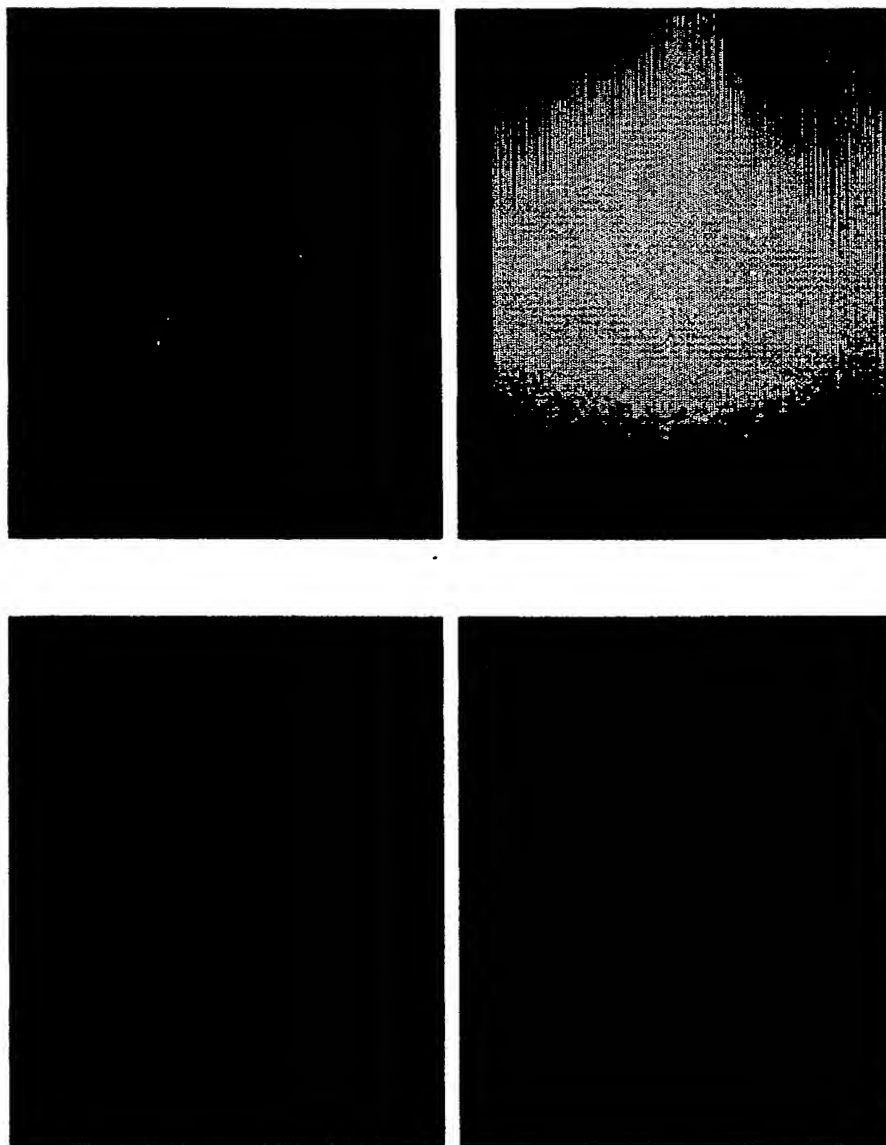


Fig 6

-8/18-

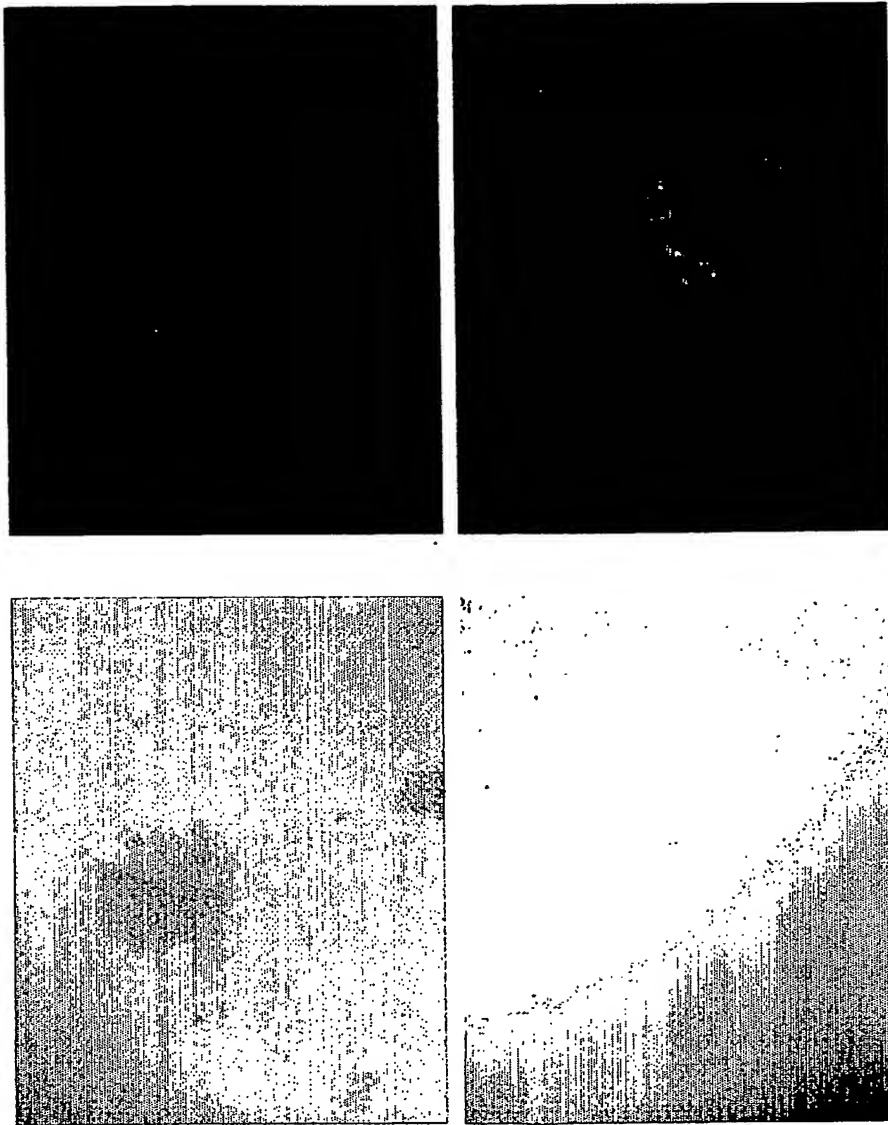


Fig 7

-9/18-

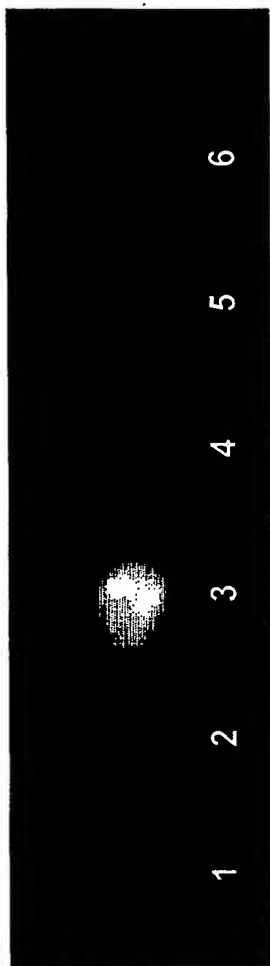


Fig. 8

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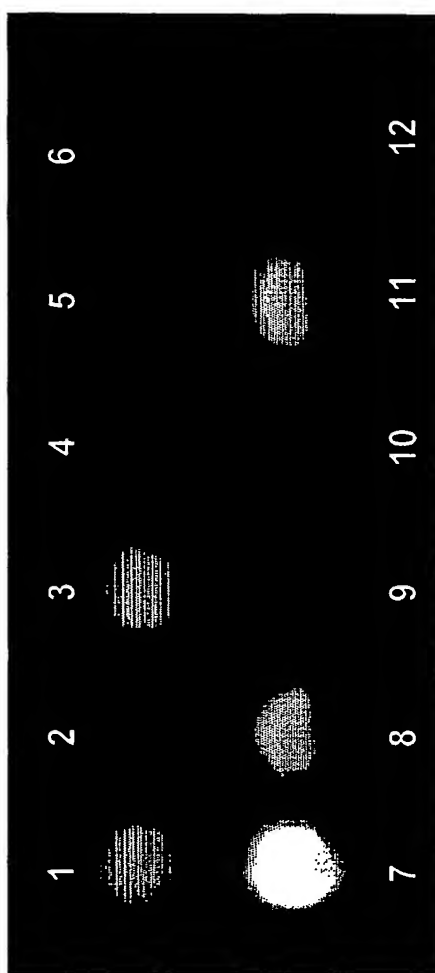


Fig. 9:

Starting cell

V gene
promoter leader
Ig M (H chain) gene

functionalized cell

V gene
promoter leader
V gene
Ig M (H chain) gene

PCR products confirming recombination

V5 →
VHpromV →
← VHpromR
← V6
← V7

Nested PCR product

Fig. 10a

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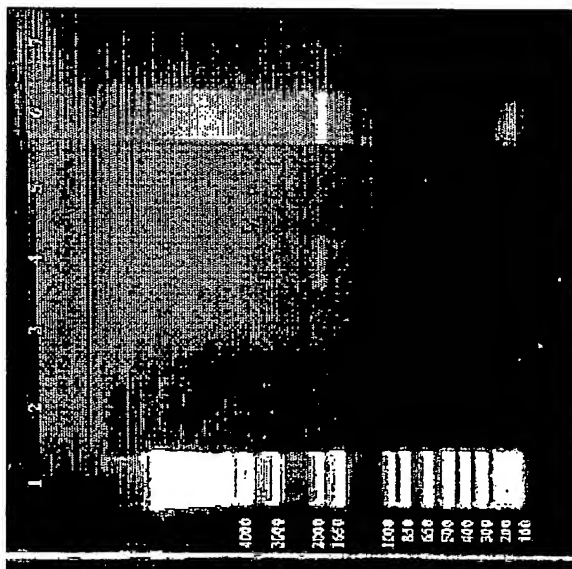


Fig 10b

-13/18-

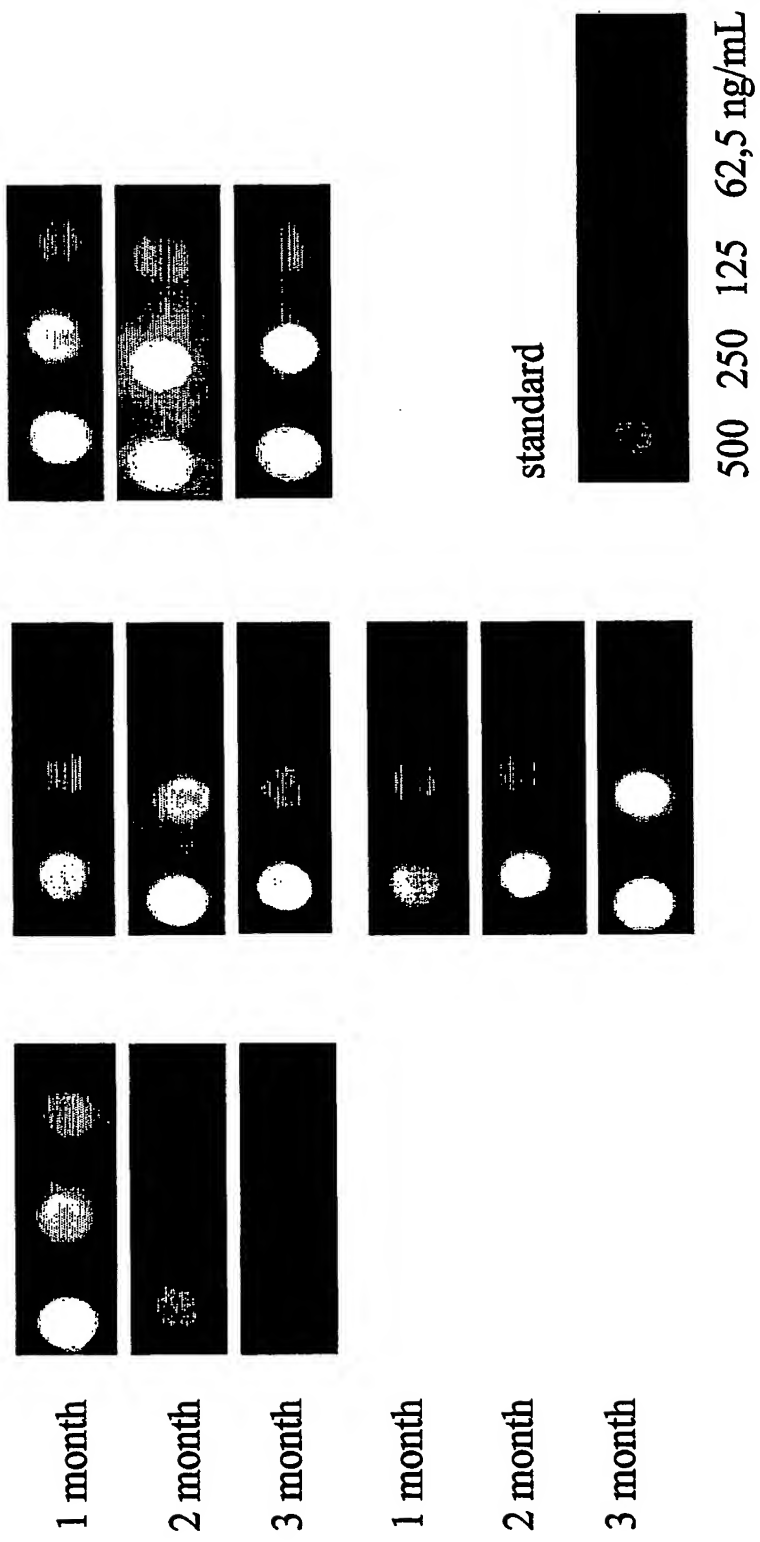


Fig. 11

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Fig. 12

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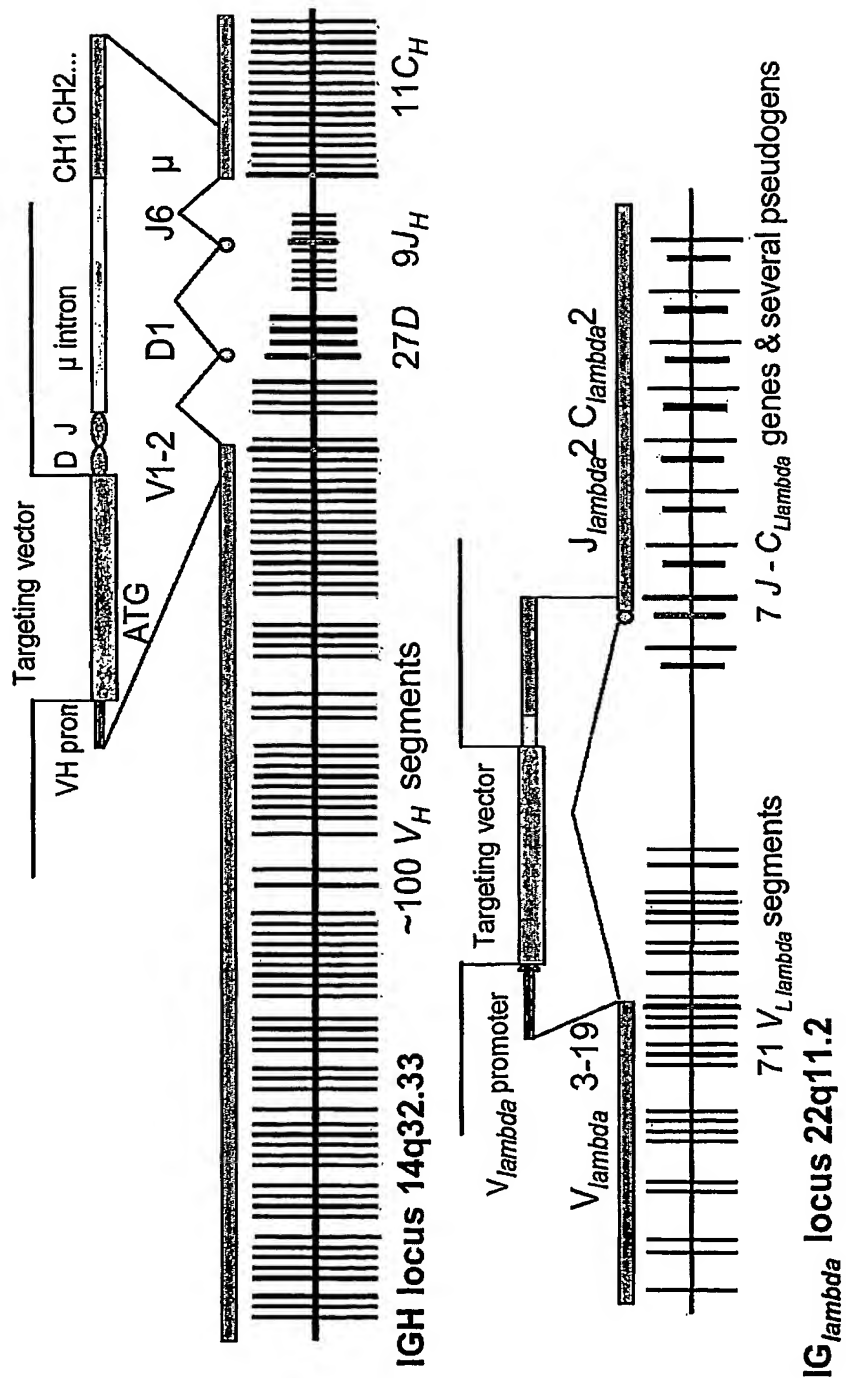


Fig. 13

-16/18-

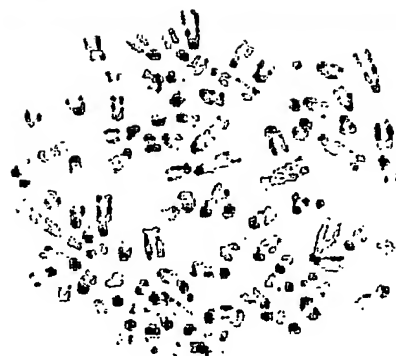
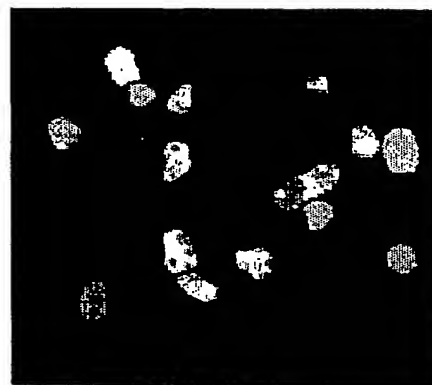
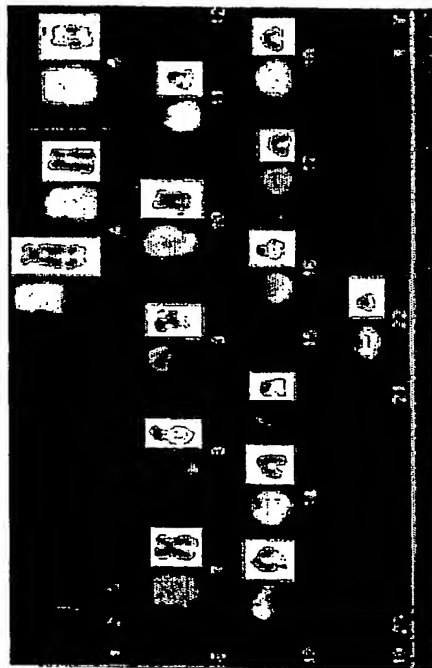


Fig. 14

-17/18-

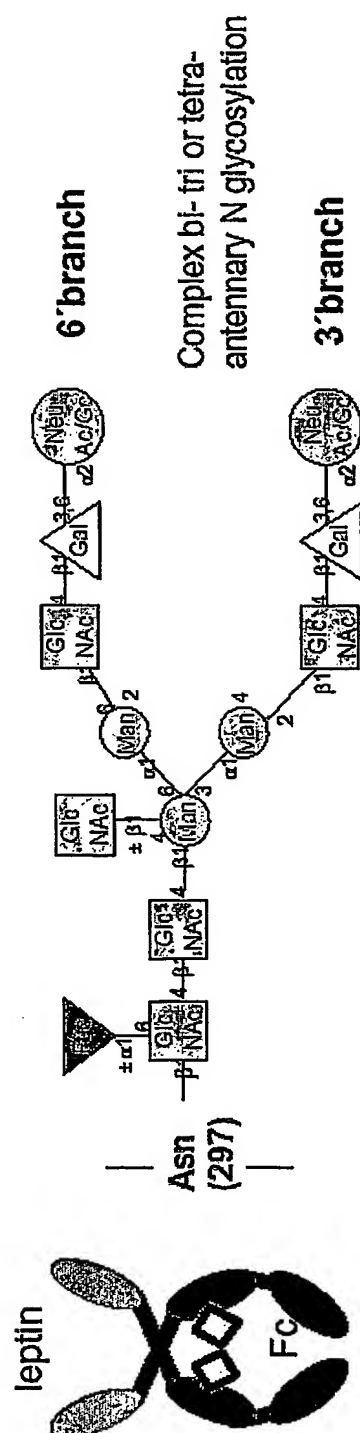


Fig. 15

-18/18-

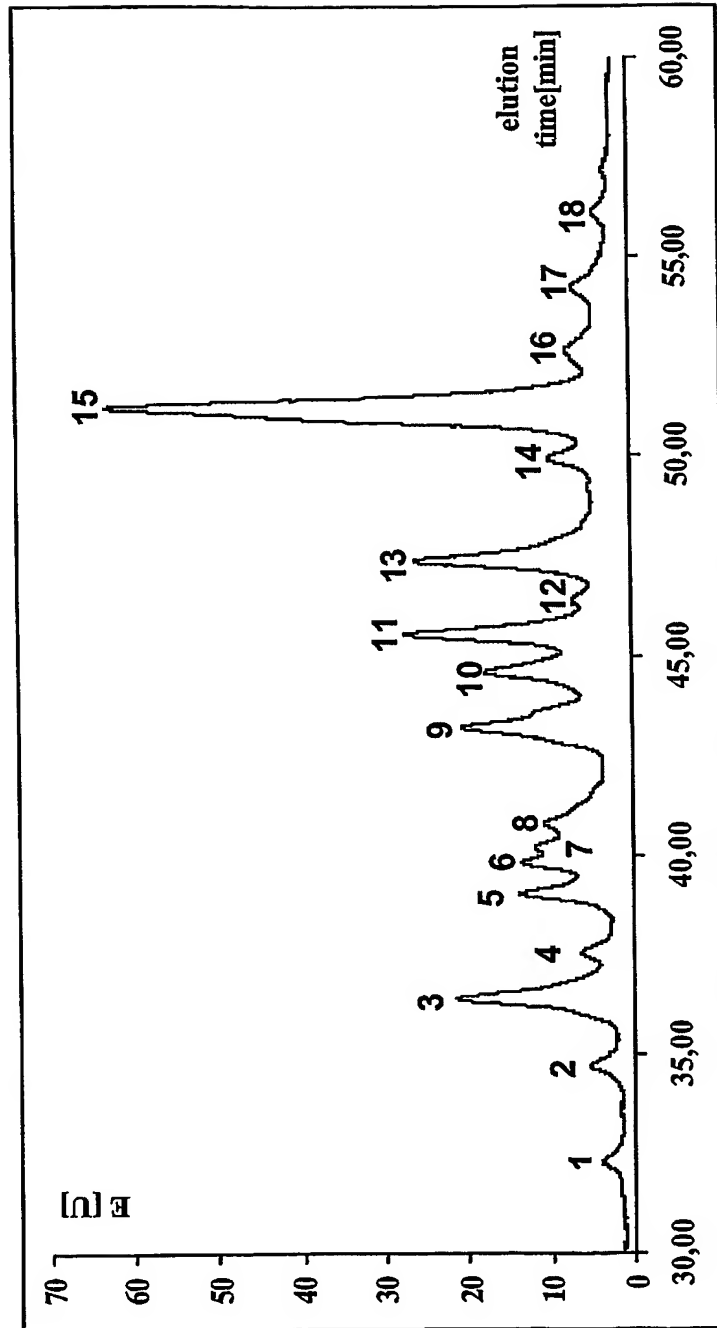


Fig. 16

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